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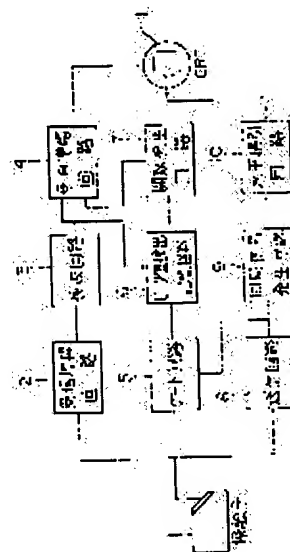
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(54) ULTRASONIC FLAW DETECTION APPARATUS

(57)Abstract:

PURPOSE: To simply, rapidly and accurately form the amplitude curve of the echo reflected from a flaw to display the same on a CRT by mounting a gate circuit, a peak value detection and memory circuit, a function generating circuit, the CRT or the like.

CONSTITUTION: A gate circuit 5 sets a gate over a range wherein an echo due to one skip appears and a peak value detection and memory circuit 6 scans a probe 1 to store the position and amplitude when the max. echo peak is obtained. When the max. echo peak due to a different skip is investigated, the circuit 5 is reset to a range where the echo to the skip appears and, in the same way, the peak and position of the max. echo in the skip are stored in a separate memory area. The data of the max. echo peak and the position at that time are rearranged in the order of smaller position data by a function generating circuit 7 to generate a function wherein the respective max. echo peak points are connected by a straight line. This function signal is amplified by a vertical amplifying circuit 4 to be displayed on a CRT 11. Further, an additional amplitude curve such as +6dB or -6dB is also generated by the circuit 7 to be displayed on the CRT 11.



LEGAL STATUS

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